

## Flight of Ideas

by Arya Akhavan (July 2014)

Angles for R.I. = 1.580

65 + 8 girdles = 73 facets

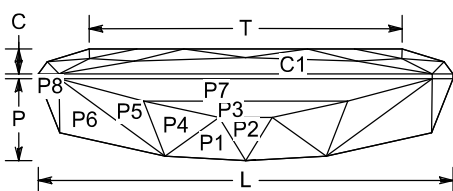
2-fold, mirror-image symmetry

96 index

$L/W = 3.200$   $T/W = 2.415$   $U/W = 0.383$

$P/W = 0.633$   $C/W = 0.193$

$Vol./W^3 = 1.523$



### PAVILION

G1	90.00°	96-48	Set stone width.
P1	40.50°	01-47-49-95	Cut to centerpoint.
P2	41.43°	96-48	Meet at culet.
P3	65.00°	96-48	Cut until P2-P3 line is approx. 1/3 the distance from girdle to the culet.
P4	43.00°	02-46-50-94	Meet P1, P2, P3
P5	42.62°	03-45-51-93	Meet P1, P4
P6	40.72°	04-44-52-92	Meet P1, P4, P5
P7	70.00°	96-48	Meet P3, P4, P5 (re-adjust girdle to be level, and meet P5, P6, P7)
P8	49.39°	12-36-60-84	Meet G1, P5, P6, P7
P9	68.31°	24-72	Meet P6, P8
G2	90.00°	12-36-60-84	Level girdle.
G3	90.00°	24-72	Level girdle.

### CROWN

C1	54.00°	96-48	Set girdle width.
C2	38.96°	12-36-60-84	Level girdle.
C3	54.00°	24-72	Level girdle.
C4	28.30°	03-45-51-93	Meet G1, G2, C1, C2
C5	25.01°	06-42-54-90	Meet G1, G2, C1, C2, C4
C6	16.91°	24-72	Meet C2, C3, C5
C7	18.28°	07-41-55-89	Meet C2, C3, C5, C6
C8	16.75°	03-45-51-93	Meet C4, C5, C7
C9	18.27°	02-46-50-94	Meet C4, C5, C7, C8
C10	19.79°	01-47-49-95	Meet C1, C4, C9
C11	17.08°	96-48	Meet C1, C10
T	0.00°	Table	Meet C6, C7, C8; C9, C10, C11

This design was written for a friend of mine, who had a long piece of yellow tourmaline. He wanted a design that would be more interesting than the standard emerald step cut, so I came up with this. Yes, there's a narrow bowtie, but if you rock the stone it looks like it flies left and right, hence the name. Works in materials from beryl to zircon (RI = 1.58 - 1.93) with no changes.

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